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"SALUTING THE PAST - RECRUITING THE FUTURE"

November 4 and 5, 2000

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WELCOME

Aerospace & Arizona Days 2000



On behalf of the more than 7,800 men and women of Davis-Monthan Air Force Base, welcome to Aerospace and Arizona Days 2000. We are honored to host this demonstration of America's airpower, celebrating the heritage of military aviation.

This year's theme, "Saluting the Past — Recruiting the Future," recognizes the 50th Anniversary of the Korean War and honors all who have served this country. It also marks this event as a bridge from our proud heritage to our exciting future and expresses our hope that we might inspire a future force of airmen to serve in the defense of our nation.

Among the many aerial demonstrations today, you'll see the Air Force Thunderbirds, the Air Force F-15C demonstration team, the Army's Apache Helicopter demonstration and D-M's own A-10 demonstration team. You'll also see the rich heritage of America's airpower, from vintage aircraft and civilian demo teams to static displays including the venerable C-141, B-52 and C-130, as well as today's front-line fighters — the F-117, F-15, and F-16.

We invite you to shake hands with our aircrews who are here today, especially a number of distinguished World War II, Korean and Vietnam Aces. These distinguished men are aviation legends and true American heroes who inspired many of us to serve.

America's aerospace team is truly expeditionary — ready to deploy anywhere, anytime. That capability depends upon the team of active duty, Guard, Reserve and civil servants who train together to maintain peak readiness. Today, we invite you to spend time with the many who will gladly share their stories of preserving peace worldwide.

On behalf of Team D-M and the United States Air Force, thanks to our enthusiastic and generous supporters. Welcome to Aerospace and Arizona Days 2000 and now, enjoy this spectacular event and demonstration of America's **AIRPOWER!**

Col. Bobby J. Wilkes
Commander, 355th Wing

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355th Wing

The 355th Wing serves under 12th Air Force, headquartered, at Davis-Monthan Air Force Base, and Air Combat Command, headquartered at Langley Air Force Base, Va. The mission of the wing is to provide the world's best combat Air Forces... delivering rapid, decisive, and sustainable airpower... anytime, anywhere. Agencies falling under the auspices of the 355th Wing include the staff judge advocate, manpower, chaplain, public affairs, historian, social actions, safety and the treaty compliance office.

355th Operations Support Squadron

The 355th Operations Support Squadron provides the operational, staff, and specialized expertise required to accomplish the training and combat missions of the 355th Operations Group and the 355th Wing. Approximately 224 people are assigned to the 355th OSS performing their duties in many locations throughout the base. The squadron includes five different flights responsible for more than 18 primary areas of discipline.

355th Training Squadron

The 355th Training Squadron provides training for more than 400 students each year in the operations, tactics and procedures of the A/OA-10, EC-130H Compass Call and EC-130E Airborne Battlefield Command and Control Center (ABCCC) aircraft. The squadron also manages the only \$60 million Compass Call mission simulator in the Air Force, the A/OA-10 Unit Training Device, as well as the Air Force's only ABCCC-integrated support facility.

354th Fighter Squadron

The 354th Fighter Squadron is a combat-coded A/OA-10 squadron of 18 aircraft and more than 245 combat-ready professionals poised to deploy at a moment's notice anywhere in the world. The squadron performs close air support, air interdiction and combat search and rescue missions in support of in-place and deployed contingency and joint and combined Army and Air Force close air support units world wide. The Bulldogs complete a flying program of more than 11,000 hours annually.

357th Fighter Squadron

The 357th Fighter Squadron (Dragons) fly an average of 5,000 sorties a year with 21 aircraft. While the squadron is capable of training up to 60 pilots per year, the exact number is adjusted continuously to meet the needs of the Air Force. This training consists of initial checkout in the A/OA-10 aircraft for pilots new to Air Combat Command as well as those

transitioning from other aircraft. Additionally, the 357th FS trains experienced A-10 pilots to become qualified A-10 instructor pilots.

358th Fighter Squadron

The 358th Fighter Squadron flies and maintains 24 A/OA-10 aircraft and has 250 people assigned to carry out its mission training more than 70 pilots annually in syllabus-directed conversion, conventional/tactical day and night gunnery, air refueling and dissimilar air combat maneuvers.

41st and 43rd Electronic Combat Squadrons

Accomplishing the Compass Call mission, both squadrons are vital members of the electronic warfare capabilities of the Air Force and are poised for immediate deployment to specific theater contingencies. The unit's combat mission is to support tactical air and ground operations by confusing the enemy's defenses and disrupting its command and control capabilities. However, they each have a different area of responsibility. Both squadrons operate and maintain the EC-130H aircraft, a specially configured version of the Air Force's proven C-130 transport.

42nd Airborne Command and Control Squadron

The 42nd Airborne Command and Control Squadron is an integral part of Air Combat Command's theater air control system. The squadron's seven unique EC-130E Hercules aircraft have been modified to carry the Airborne Battlefield Command and Control Center III capsule, which houses a 15-person battlestaff. The battlestaff includes operations, intelligence and communications people. It provides unified and theater commanders with command and control for combat operations during war, contingencies, exercises and special classified missions. The 42nd ACCS organizes and maintains a highly-trained force of mission-ready crewmembers and specially-equipped EC-130E aircraft to support worldwide combat operations.

607th Air Control Squadron

The 607th Air Control Squadron is a forward-deployed control and reporting element, based at Luke AFB, Ariz.

It is capable of deploying anywhere in the world, on short notice, to provide any theater Air Component Commander with decentralized command and control operations and a single integrated air picture using TYQ-23 Modular Control Equipment.

355th Logistics Support Squadron

The 355th Logistics Support Squadron provides logistics support for the 355th Wing as well as staff support for the 355th Logistics Group. The 355th LSS is divided into four flights: Logistics Operations, Logistics Plans, Logistics Training and Quality Assurance.

355th Contracting Squadron

Directs contracting programs in excess of \$49 million annually for the acquisition and administration of commodities, services, and construction requirements in support of the 355th Wing and 26 associate units including 12th Air Force and the Aerospace Maintenance and Regeneration Center. The squadron manages one of the largest International Merchant Purchase Authorization Card programs in Air Combat Command valued at over \$20 million in FY99. Assures high quality and timely customer mission support consistent with federal acquisition regulations and public law for optimum mission execution. Provides contingency contracting services in support of worldwide deployments and emergency operations.

355th Component Repair Squadron

The 355th Component Repair Squadron comprises more than 350 people who provide and ensure quality repair service to the wing's fleet. This diverse unit performs intermediate-level, on- and off-equipment maintenance, and aircraft propulsion system, accessory and avionics subsystem repairs. It also repairs and calibrates test, measurement, and diagnostic support equipment that is beyond organizational-level repair capabilities.

355th Equipment Maintenance Squadron

The 355th Equipment Maintenance Squadron has more than 500 maintenance technicians in 24 diverse Air Force specialties. They support A/OA-10 and EC-130E/H (Compass Call and Airborne Battlefield Command and Control Capsule) aircraft. The squadron is separated into five distinct flights supporting the wing mission.

355th Supply Squadron

The 355th Supply Squadron is responsible for an effective and efficient base supply operation. Employing more than 250 military and civilian personnel, the organization provides timely material and fuels support to virtually every agency on D-M. Maintaining more than 30,000 different stock items worth more than \$90 million, the supply squadron

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provides optimum logistical support to the major flying squadrons on base, including the Air Force Reserve's 305th Rescue Squadron.

355th Transportation Squadron

The 355th Transportation Squadron has more than 180 military and civilian members assigned to four flights. It is the focal point for everything moving to, from and on D-M.

355th Mission Support Squadron

The 355th Mission Support Squadron provides a variety of quality programs and services through military and civilian personnel, educational services, the Airman Leadership School and the Family Support Center.

355th Communications Squadron

The 355th Communications Squadron provides combat-ready communications, computer, visual information and information management services to the 355th Wing, Twelfth Air Force and the D-M community. Some 180 members support the wing's warfighting mission and are responsible for deployment support of the wing's Air Expeditionary Force mission.

355th Services Squadron

The 355th Services Squadron offers a full range of military and community support programs for the Davis-Monthan community. Programs such as dining facilities, libraries, and fitness centers directly support the unit readiness mission by providing a physically and mentally fit force.

355th Security Forces Squadron

The men and women of the 355th Security Forces Squadron have one of the most diverse force protection missions in the Air Force. The unit provides an array of security services for the installation, to include law enforcement services. The D-M defenders protect more than 11,000 base personnel, \$7.8 billion worth of resources, six squadrons having more than 104 fighter and special operations aircraft, and 5,200 stored aircraft in the Aerospace Maintenance and Regeneration Center.

355th Civil Engineer Squadron

The primary peacetime responsibility of the civil engineering squadron is maintaining D-M's runway and critical

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THUNDERBIRDS



(above) The Thunderbird Delta (#1-6) formation opens and closes the show.

Photos courtesy of the U.S. Air Force Thunderbirds



Thunderbirds maintainers form the majority of the team's 120 members.



Thunderbird Lead Solo (#5) executes the "Sneak Pass" to crowd approval (and surprise!).



The Thunderbird Diamond (#1-4) executes a trail formation pass.



Thunderbird Lead Solo (#5 - note his number is painted inverted so it appears correct) upside down, and Opposing Solo (#6) paint a mirror image in the Calypso Pass.

THUNDERBIRDS

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(Above) "4's in." The view from "Slot" in the Diamond pass-in-review maneuver.

(Right) The Thunderbird Diamond formation passes in review with 18-inch wingtip separation.



Photos courtesy of the U.S. Air Force Thunderbirds



The Thunderbird Delta (all six jets) climbs skyward, showing the Fighting Falcons' Thunderbird paint scheme.



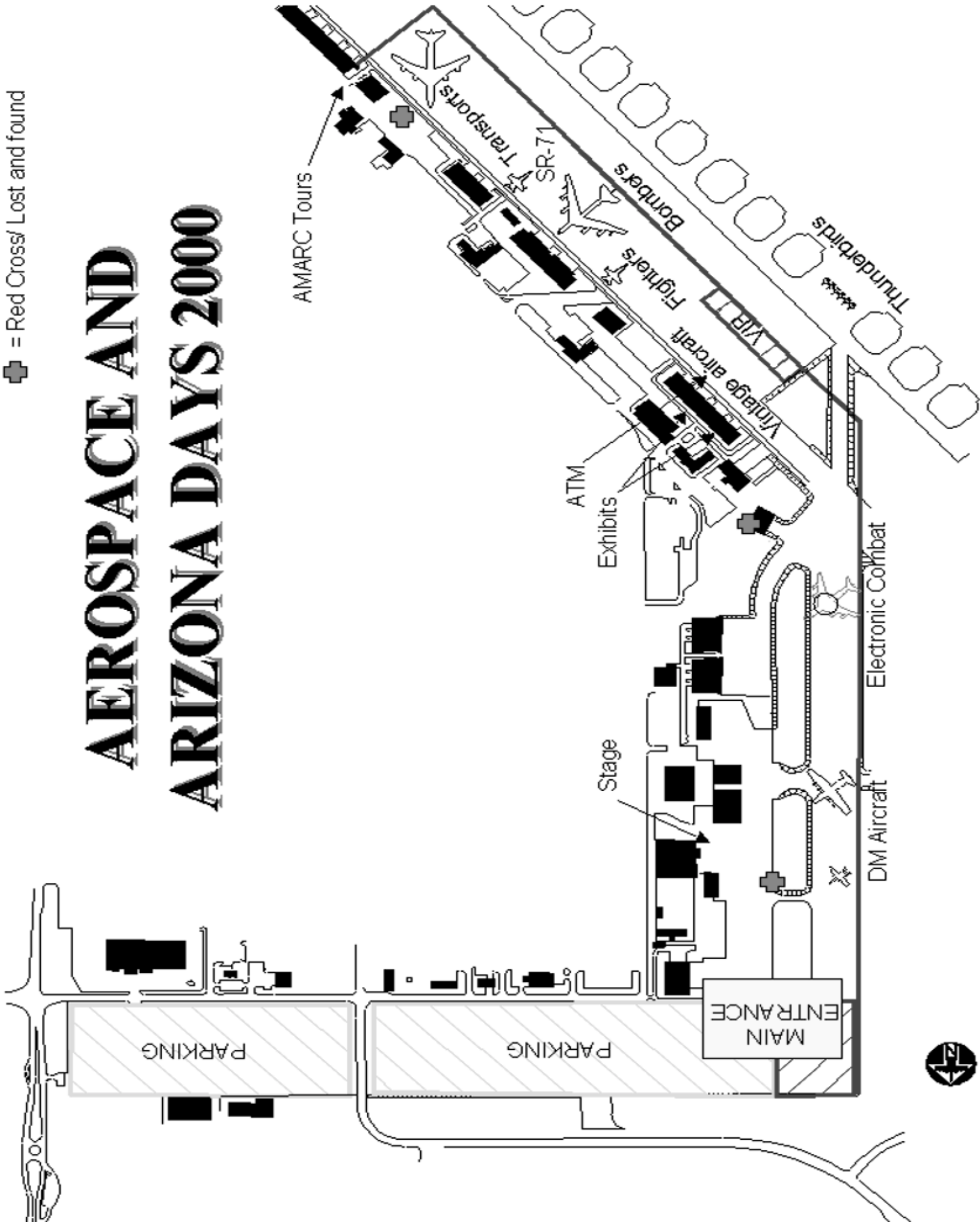
Opposing Solo crew chief readies "his" F-16C for the demo.



The view from the Left Wing (#2) on the downward leg of a Diamond loop maneuver.

FLIGHTLINE MAP

⊕ = Red Cross/ Lost and found



D-M rich in heritage, service

The U.S. Army declared Tucson’s second airfield suitable for military operations Oct. 6, 1925. The city successfully built the field in accordance with U.S. Army guidelines. Twenty days later the field’s flight log received its first entry. A small detachment serviced transient aircraft bound for California. Many pioneer aviators stopped at the field during its time, including several - Spaatz, Eaker and Foulois - destined to head the country’s military flying forces. World-famous aviator, Col. Charles Lindbergh, dedicated the Tucson landing field Sept. 27, 1927, for two long-time Tucsonans who died in separate aerial accidents while serving in the U.S. Army, 2nd Lts. Samuel H. Davis and Oscar Monthan.

As the Air Force came into its own, strategic forces took charge of D-M, bringing in several B-29 bomber groups. After its official creation as a separate service, the Air Force inherited the installation Jan. 13, 1948, and officially named it Davis-Monthan Air Force Base. The next year a B-50 aircrew based at D-M completed the first non-stop around the world flight (taking 94 hours). The early 1960s brought added strategic missions in the form of Titan II missiles and U-2

reconnaissance forces. In 1964 another wing activated at the base and began training aircrews in the nation’s most sophisticated fighter, the F-4 Phantom. Another war had developed and D-M was again training aircrews to accomplish their mission and survive. The base’s U-2s also flew missions over Southeast Asia.

The 355th Tactical Fighter Wing came to D-M on July 1, 1971, flying the A-7 Corsairs. This caused the F-4 program to move to Luke Air Force Base, Ariz. Five years later the 355th’s pilots converted to the A10-A Thunderbolt II aircraft. By the end of the year the wing took over host unit responsibilities, reflecting the transfer of the base from Strategic Air Command to Tactical Air Command.

The 41st Electronic Combat Squadron, began flying operations at D-M in 1980. A unit of the Tinker-based 28th Air Division, 41st aircrews flew the specially modified EC-130H aircraft. Their mission - Compass Call - was intended to confuse or disrupt enemy command, control and communications.

Between December 1989 and January 1990, other D-M personnel participated in Operation Just Cause, helping secure and defend Panama’s main airport. Later in the

year D-M deployed more than 1,300 people in support of Operations Desert Shield and Storm, the response to Iraq’s invasion of Kuwait and its subsequent liberation.

Other Department of Defense agencies located on D-M include the U.S. Navy, U.S. Army Corps of Engineers and Air Force major commands: Air Force Material Command, Air Education and Training Command and the Air Force Reserve.

355th Wing

The 355th Fighter Group was first activated Nov. 12, 1942. Equipped with P-51 Mustangs, the unit quickly gained acclaim as the “Steeple Morden Strafers,” a reference to its base in England and its lethal accuracy at low level. The Fighter Group destroyed or damaged 1,500 enemy planes, making it the top strafing outfit in 8th Air Force during World War II.

In the mid-1950s, the group was assigned to Air Defense Command and based at McGhee-Tyson Airport, Tenn. Flying the F-86D Sabrejet, the group provided fighter defense for the Oak Ridge Atomic Energy Plant and the Tennessee Valley Authority dams, as well as the eastern region of the United States.

The unit, known as the 355th Tactical

Fighter Wing, transferred to Takhli Royal Thai Air Force Base, Thailand in 1965. During the next five years, it flew more than 101,000 sorties over North Vietnam, dropping 202,596 tons of bombs and destroying 12,675 targets.

The wing’s pilots were credited with 20 MiG kills, and another eight destroyed on the ground.

Nicknamed “PACAF’s Pride,” the unit received three Presidential Unit Citations and three Air Force outstanding Unit Awards with combat “V” device. It is also noteworthy that - of the 12 airmen awarded the Medal of Honor in the Vietnam War - two belonged to the 355th TFW: Majors Merlyn H. Dethlefsen and Leo K. Thorsness.

The 355th transferred to D-M in 1971, but continued to deploy aircraft and personnel to Southeast Asia until 1974. Initially equipped with the A-7D Corsair II, the wing transitioned into the A-10 Thunderbolt II in 1976. By the end of the decade, with the gradual phaseout of the A-7 fleet, the 355th became the Air Force’s sole A-10 training wing.

As the wing entered the 1990s, it continued to train A-10 crews for assignments to units in the United States, England and Korea.

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flight facilities in support of the flying mission. CES is also involved in the planning, programming, design and construction management of various operation and maintenance programs done by civilian contractors.

355th Medical Operations Squadron

The 355th Medical Operations Squadron provides or arranges for the full scope of preventive and clinical health services for eligible beneficiaries, including a large retiree population. They assess the health care needs and expectations of the D-M population served, as well as plan, organize, operate, evaluate and improve a comprehensive system of health services.

355th Aerospace Medicine Squadron

The 355th Aerospace Medicine Squadron supports the wing by enhancing the health of its people, ensuring a fit force, preventing disease and injury, protecting the environment, and anticipating medical contingencies. They provide a comprehensive population-based preventive medicine program for all beneficiaries, which enhances wellness, performance, and readiness as well as assists the managed care function in implementing evidence-based, cost-effective practices.

355th Dental Squadron

The 355th Dental Squadron maintains comprehensive programs for the prevention and treatment of dental disease to ensure maximum personnel readiness and optimal oral health. They sustain maximum readiness capability through optimal oral health, utilizing the Air Force Dental Readiness Assurance Program and maintaining comprehensive dental programs.

355th Medical Support Squadron

The 355th Medical Support Squadron provides diagnostic and therapeutic services, resource management (financial and manpower), TRICARE (managed care), medical logistics, medical information systems management, quality services, education and training, and personnel and administration of the medical group.

Associate Units

12th Air Force

More than 700 people comprise the

12th Air Force headquarters staff, located at D-M since July 1993. Beyond D-M, however, 12th Air Force spans seven active-duty wings (throughout the western United States) and more than 20 National Guard and Reserve bases throughout the United States and Puerto Rico.

The missions of 12th Air Force are to train, equip and provide combat-ready forces to the commander of Air Combat Command; to direct air operations anywhere in the world by deploying and operating an Air Operations Center when called upon by the National Command Authority; and to provide Battle Management functions for U.S. Strategic Command, theater CINCs, and government agencies by conducting strategic reconnaissance and airborne command and control missions worldwide.

Aerospace Maintenance and Regeneration Center

AMARC is a major industrial center that provides for the storage, regeneration, reclamation and disposal of aircraft and aerospace items as well as selected non-aerospace, out sized, and specialized items. Encompassing 2,600 acres, the center has approximately 4,600 aircraft in storage with an acquisition value of almost \$27 billion.

With approximately 600 employees, AMARC maintains the specialized skills and knowledge necessary to work on more than 72 different types of aircraft.

Det. 2, 67th Intelligence Group

Detachment 2, 67th Intelligence Group located at Davis-Monthan AFB, Ariz. was activated in 1981.

The mission of Detachment 2, 67th Intelligence Group is "Teaming Our Unique Capabilities With Other Warfighters to Conduct Worldwide Information Operations." Det. 2 provides focused AIA Information Operations for 12th Air Force (12 AF — Air Component of USSOUTHCOM) and 355th Wing (ACC) commanders. The unit achieves this mission through three primary mission areas: Compass Call Training Team, Compass Call Analysis and Targeting Team, and our Information Warfare Flight.

Detachment 3, ACC Training Support Squadron

Detachment 3 is one of 13 operational training development detachments located throughout Air Combat Command.

The mission of Det. 3 is to develop, manage and maintain all formal training syllabi and supporting courseware for the A/OA-10, EC-130H and EC-130E weapons systems assigned to D-M. The unit establishes and validates training requirements, acquiring equipment and developing academic course material in response to the weapons systems needs. Det. 3 strives to be the "center of excellence for operations training development."

305th Rescue Squadron

The mission of the 305th Rescue Squadron is to provide a day/night combat rescue capability of downed aircrew in hostile territory. Enemy threats are countered through the use of advanced tactics including terrain masking, night vision devices, in-flight refueling and pinpoint navigation. A measure of self-protection is provided by the use of machine guns, radar and infrared equipment.

162nd Fighter Wing, Arizona Air National Guard

"Operation Snowbird" is a National Guard Bureau program located at Davis-Monthan AFB and supported through the 162nd Fighter Wing. It was established in 1975 as a winter deployment site for northern-tier Air National Guard flying units.

372nd Training Squadron, Detachment 11

The detachment is part of the 982d Training Group at Sheppard Air Force Base, Texas. Detachment 11 serves all major commands, the Air Force National Guard, the Air Force Reserve, and international students. It provides highly-specialized training for maintenance and aircrew personnel on the A-10A Thunderbolt II, OA-10, and EC-130H. It provides F-16 training on the ACES II and canopy system, as well as egress, electrical and environmental systems.

Air Force Office of Special Investigations

The Air Force Office of Special Investigation was established in 1949 as a separate operating agency under the staff supervision of the inspector general. AFOSI is the primary U.S. Air Force investigative agency for major crimes.

The scope of AFOSI's mission has evolved significantly. Today, the AFOSI mission includes such diverse investigative areas as criminal investigations, counterespionage, counterintelligence, anti-terrorism,

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technical and forensic support, fraud and environmental crimes and protective services to senior Department of Defense and Air Force officials, as well as visiting foreign dignitaries.

U.S. Customs

Since December 1971 the U.S. Customs Service, a Department of the Treasury agency, has had an aviation operations branch at D-M.

Its mission is to intercept aircraft smuggling contraband into or out of the United States. The branch also provides aviation resources in support of other federal, state and local law enforcement agencies.

Defense Investigative Service

DIS conducts personnel security investigations on military members, Department of Defense civilians, and employees of defense contractors to determine their suitability for access to classified defense information and other investigations as assigned by the secretary of defense. The DIS is responsible for the implementation of the Defense Industrial Security program. This involves conducting inspections and administrative inquiries at DOD contractors' facilities handling classified defense contracts.

Naval Inventory Control Point

An unusual tenant on D-M is the Naval Field Service Office. Shortly after World War II, a storage area was established for Naval and Marine aircraft in Litchfield Park, Phoenix, but when storage for all services was consolidated here in 1965, the Navy's Field Service Office was established. The FSO is part of the Customer Operations Division, Naval Aviation Supply Office, Philadelphia, Penn. The FSO represents Navy and Marine functions related to the storage, withdrawal, maintenance-in-storage, reclamation and disposal workload of naval aircraft processes and serves as the liaison and coordinator between AMARC and all other Navy commands.

Radar Approach Control

The Federal Aviation Administration's Tucson Terminal Radar Approach Control is a tenant on D-M. TRACON personnel use five area surveillance radar scopes. They are responsible for separating aircraft flying under instrument flight rules within the Tucson area's Class "C" airspace, at 17,000 feet mean sea level and below. These services include traffic advisories and safety alerts.

AERIAL PERFORMERS

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EXTRA 300 piloted by Tim Weber



C-17 Globemaster III



T-34 piloted by Julie Clark



A-10 Thunderbolt II piloted by Lt. Col. Jeff Lowery



MiG-17 piloted by Bill Reesman



G.R.E.A.T. Marchetti piloted by Nick Anderson

**** NOTE: Military aircraft are subject to change due to real-world commitments.**

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Hawker Hunter piloted by Steve Appleton



Airwave Glider piloted by Dan Buchanan



EXTRA 300 piloted by Rocky Hill



U.S. Air Force Academy Wings of Blue



Pitts S2S Patriot piloted by Dave Eastman



Edge 540 piloted by Greg Poe



Frank Borman piloting the F-86 Sabre



F-15C Eagle piloted by Maj. Mike Chandler